

Measurement of Vapor Pressure Above Solid  
Antimony by the Tracer-Atom Technique,  
by A. H. Nekrasyanov, D. Z. Iofa. UOGL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXVIII,  
No 6, 1954, pp 993-995.

SLA 60-15829  
DBIR LII N.1316

(loan)

Box - Flye

Apr 60

112,659

Infrared Boundary of Decolorization of the Fine  
Structure in the Spectrum of Photochemically  
Colored Silver Halide, by E. A. Nesterovskaya,  
6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, No 6,  
1954, pp 997-999.

CIA/X-1799

USSR  
Sci - Physics

26, 341

Biogenetic Elements in the Bottom Muds of Bering  
Sea Sediments, by E. D. Zaitseva.

*XC.VIII*  
RUSSIAN, per, Doklady Ak Nauk SSSR, ~~LXVIII~~, No 6,  
1954, pp 1005, 1006.

Assoc Tech Sv  
\$4.50 Tr RJ-757

Sci - Geophysics, biology  
Aug 57

*51,756 43315R*

(FDD 25797)

The Comparative P-Vitamin Activity of Tea Catechins,  
Grape Tannins, and Buckwheat Rutin, by V. N. Bukin,  
N. N. Yerofeyeva, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCVIII,  
No 6, Moscow, 1954, pp 1011-1012.

CIA/FDD/U-7346

29,182

USSR

Sci - Medicine, neurophysics, biochemistry

CTS 73 Oct 55

The Mechanism of Photoreduction of ~~Various~~ Various  
Pigments Sensitized by Chlorophyll and Related  
Compounds, by V. B. Evtigneyev, V. A. Gavrilova,  
6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCVIII,  
1954, pp 1017-1020.

SLA R-1316

May 58

64,618

Effect of Some Metabolites on the Multiplication of the Virus of the Mosaic Disease of Tobacco, by V. L. Ryzhkov, N. K. Marchenko.

RUSSIAN, per, Ak Nauk SSSR, Dok, Vol XCVIII, 1954, pp 1035-1036.

GB/25

Sci-Agri  
May 65

229,912

The Connection of a Defect in the Spinal Cord  
to the Motor Impairment of a Neurological  
Skeletal Muscle, by L. A. Yakovleva, 7 pp.

Abstract, Zhurnal Nevrol. Dokl. Akad. Nauk, Vol. XXXIII,  
No. 10, 1955, pp. 2041-2047.

29/1/55 CIA/RDP/0-100  
Index  
Med. Medicine, neurophysics, biochemistry  
015 73 Oct 55

Investigation of the Width of Spectral Lines in an  
Arc Source of Light, by A. Ya. Vyatskiy, I. M.  
Magibina, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol. XCVIII,  
1954, pp 99-62.

AND 9r 2563  
{ AF 664067 (Abstract)  
(CIA C 37509

40,485

Sci - Physics  
Nov 96 688

Abstracts of Russian Physical Literature,  
102 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCVIII, XCIX, Sep 1954-Jan 1955, Encl to  
IR-754-55, Hq USAFB, Germany. CIA C 37509

AP 664067

Scientific - Physics  
CRS 70/Jul 55

25, 254

Discontinuous Solutions of Quasilinear Equations  
of the First Order, by A. N. Tihonov and A. A.  
Samar'skii, 6 p.  
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol  
XCIX, 1954, pp 27-30.

Am Math Soc  
Vol XLXI, Ser 2

Sci-Math  
Jun 66

302,691

USSR 219741

Investigation of the Magnetic Properties of Cobalt-Zinc and Manganese-Zinc Ferrites, by G. I. Daitrakova, 4 pp.

RUSSIAN, three:mo per, Dok Ak Nauk SSSR, Vol. XCIX, No 1, Moscow, Nov 1974, pp 45, 46.

USSR  
Sci - Physics

CIA/RDD U-8555

38,205

The Approximative Integration of the Equation of  
a Plane Whirl-Shaped Supersonic Motion of a Gas,  
by I. A. Kalishevick (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCIX, 1954,  
pp 37-40, Encl to IR-754-55, Germany.  
CIA C 37509

AF 664067

On the Causes of the Occurrence of the Electro-  
Motive Forces With Illumination of Semi-Conductors  
in a Non-Homogeneous Magnetic Field, by I. K.  
Kikoin, I. Kh. Gansv, A. I. Karchovskiy, 1 p.  
UNCLASSIFIED

RUSSIAN, three-~~no~~ per, Dok Ak Nauk SSSR,  
Vol XCIX, No 1, 1954, p 51.

Navy Tr 1166/NRL 516

Scientific - Physics  
Apr 55 GTS

23, 415

(FDD 25095)

Investigation of the Variations in the Rectifying<sup>A</sup>  
Properties of the Point Contact Metal-Semiconductors  
Under the Influence of the Irradiation of the Semi-  
conductor by Ions of Alkali Metals, by M. M. Brel'ov,  
R. F. Komarova, A. R. Regel', 10 pp.

RUSSIAN, thrice-mo per, Dokl Ak Nauk SSSR, Vol XCIX,  
No 1, Moscow, 1 Nov 1954, pp 65-72.

CIA/FDD U-8120  
34809

USSR  
Sci - Physics  
Apr 56

Strength Criteria in Brittle Fracture, by H. H.  
Davidankov

RUSSIAN, thrice-no per, Dok Ak Nauk, SSSR, Vol  
XXIX, No 1, 1954, pp 73-75.

Assoc Tech Sv IJ-470  
\$5.20

Sci - Physics  
Jan 57 OIS

42,176  
AF 664067(CIA C 37509) abstract

Radiographic Investigation of the Interatomic  
Interaction in Solid Solutions on Nickel Basis,  
by G. V. Kudryumov, N. T. Travina, (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCIX, 1954,  
pp 77-80, Encl to IR-754-55, Germany. CIA C 37509

AF 664067

*SIH 60-16-180*

Tungsten and Vanadium Bronzes, by R. P. Ozerov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, 1954,  
pp 93-95.

AEC Tr-5131

OTS 62-16141

Sci - Min/Metals

Aug 62

List 71

206,087

A Study of the Mobility of Radicals by the  
Isotope Method, by I. P. Gragerov. UNCL.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, No. 1,  
1954, pp 101-104.

Sci Mus Lib 58/1413

Sci. Phys  
Mar 59

*82,458*

Molecular-Weight Effects on the Transformation  
Temperature of Nitrocellulose, by P. V. Kozlov,  
E. F. Rosskova.

RUSSIAN, per, <sup>99</sup>Dok Ak Nauk, Vol XCIX, 1954, pp 105-108.

2 21 11 37

\*PL 480

Foreign Sv

Sci - B. D.  
Apr 61

070 81-1-117

Myasnikov, I. A. and Pshezhetskly, S. Ya.  
~~DESCRIPTION OF OXYGEN WITH ZnO BY THE~~  
ACTION OF LIGHT, AND ITS EFFECT ON THE  
LIGHT CONDUCTIVITY. [1960] 8p. 9 refs.  
Order from LC or SLA ml\$1.80, ph\$1.80    61-10129

Trans. of Akademiya Nauk SSSR. Doklady, 1954,  
v. 92, no. 1, p. 125-126.

The heating of the film of ZnO in the presence of oxygen leads to a noticeable decrease of its conductivity, while with illumination of the film in the presence of oxygen, a reversible growth of the conductivity occurs. Preliminary heating of the ZnO film in oxygen leads to a decrease both its dark conductivity and its photoconductivity. The maximum of the spectral characteristics of the photoconductivity shifts toward the longer wavelength spectrum. The photoconductivity at 12°C of ZnO previously heated in oxygen decreases in comparison with the photoconductivity at 20°C, and the maximum of the spectral characteristics shifts still toward the longer wavelength. (Cont.)

61-10129

- 1. Zinc oxides--Photoconductivity
- I. Myasnikov, I. A.
- II. Pshezhetskly, S. Ya.

141, 168

Office of Technical Services

Anodic Passivation of Iron in Concentrated Sulfuric  
Acid, by V. M. Novakovskiy, A. I. Levin, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLIX, No 1, 1954  
pp 129-132.

Sci Tr Center  
RT-4105

Sci - Chemistry

41, 544

Средняя деполаризация Rate in Atmospheric  
Corrosion of Metals, by I. I. Kossfeld,  
и. А. Zingalova, 6 pp.

НИИСТАИ, пер. Док Ак Наук ССРС, ~~Или Кхидис,~~  
Vol XCIX, No 1, 1954, pp 137-140.

CSIR Tr. No 256  
ATC RT-4141

Ref. - ~~CSIR~~

Jan 63

234322

1954/1/167

The Excitability of Cell Fibers in the Central  
Epithelium of Mice When Stimulated Mechanically;  
Mechanically, by G. S. Strelin, I. B. Bychkovskaya,  
M. V. Kozlov, 7 PP.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCIX,  
No 1, Moscow, 1954, pp 165-167.

CIA/FEB/S-7344

29/78

USER

Sci - Biology, neurophysiology  
Medicine,

GTB 73 Oct 55

(FDD 25795)

Investigation of Protein Restoration in the  
Regenerative Tissues Under the Effect of Urea  
Using Methionine Tagged With  $S^{35}$ , by L. N.  
Zamanskiy, A. I. Lopushanskiy, P. Ya. Siver, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIX,  
No 1, Moscow, 1954, pp 177-179.

USSR

29,209      CIA/FDD/U-7343  
Sci - Biology, neurophysiology  
Medicine      CIS 73 Oct 55

On the Heat Condition Equation, by N. N. Moiseev,  
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, No 2,  
1954, pp 209-212.

SLA 58-187

Sci  
Jul 59

CCT 383  
83813

93,046

On the Representation of Green-Stimulus  
Functions by Functional Integrals, by N. N.  
Bogolyubov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIX,  
No 2, 1954, pp 225-226.

9-2144

00-U-3, 854, 859

Insdoc  
Hillside Road  
New Delhi-12, India

Sci - Physics  
Oct 1956 CTS/dex

39,852

Investigation of the Heat Conductivity of Several  
Liquids and of Their Vapors in the Critical Range,  
by A. K. Abas-Zade (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCIX, 1954,  
pp 227-230, Encl to IR-754-55, Germany.  
CIA C 37509

AF 664067

THE RIGID-BODY EFFECT OF ...  
M. P. Volarovich et al.

RUSSIAN, thrice-mo per, Dok Ak Nauk BSSR, Vol XCIX,  
No 2, 1954, pp 239-242.

Co-Op Trans Sch Tr 337  
\$1.12s.

Sci - Physics  
Jul 57

49,175

Effect of Mn on Self-Diffusion of Fe,  
by P. L. Gruzin, et al.  
RUSSIAN, per, Doklady Akad. Nauk SSSR,  
Vol. 99, No. 2, 1954, pp. 247-250.  
\*CFSTI TT 70-57056

Sci/phys  
Feb 70

Radiographic Investigation of the Structural Changes  
in Blast-Furnace Cokes, by A. M. Zubko, E. E. Spektor  
(abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCIX,  
1954, pp 251-253, Encl to IR-754-55, Germany.  
CIA C 37509

AF 664067

Study of Relation between Catalytic and  
Semiconductor Properties of Zinc Oxide, by  
I. Ya. Myssnikov, S. Ya. Papezhetskiy.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIX,  
No 2, 1954, pp 277-279.

34,054

Brutcher Tr

No 3652

NLL #1-9887 \$2.80

Scientific - Chemistry

May 56 CTS/DEX

Corrosion of Stainless Steels in Acidic Oxidizing  
Solutions, . A New Type of Corrosion Failure  
of Welded Joints, by M. M. Kurtepov.

RUSSIAN: thrice-no per, Dok Ak Nauk SSSR,  
ХИМИЯ Vol XCIX, No 2, 1954, pp 305, 306.

Assoc Tech Sv RJ 316  
PO Box 271, E? Orange, NJ  
Scientific - Chemistry

Feb 56      31,216

(FDD 25791)

The Problem of Nerve Cell Fission, by A. F. Nikiiforov, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCIX, No 2, Moscow, 1954, pp 315, 316.

CIA/FDD/U-7392

USSR  
Sci - Biology, biochemistry  
CTS 73 Oct 55

29,157

(FDD 25792)

Changes in the Processes of Cell Fission After  
Stimulation of the Nervous System of Animals, by  
V. V. Kozlov, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIX,  
No 2, Moscow, 1954, pp 317-320.

CIA/FDD/U-7393

USSR  
Sci - Medicine, biochemistry  
CRS 73 Oct 55

29,089

(IDD 29755)

The Effect of So-called Emotional Stimulation of an  
Animal on the Functional Condition of the Thyroid  
Gland, by N. G. Amirogova, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XLIX,  
No 2, Moscow, 1954, pp 325-328.

CIA/IDD/G-7594

RT-3730  
29175

USSR  
Sci - Medicine  
CTS 73 Oct 55

Thireotropic Effect of Hypophysial Injection in  
Sturgeons, by A. D. Ivanova, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
XCIX, No 2, 1954, pp 333-336.

Sci Mus Lib No 56/3062

Sci - Biology

44, 029

The Resistance of Bodies in a Liquid During Its  
Motion Near a Vertical Wall, by A. A. Kostyukov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, No 3,  
1954, pp 349-352.

MLL M. 2759

Sci - Phys

180,037

Jan 62

A Relativistic Equation for Three Coupled Bodies,  
by D. Ivanenko, V. Zytovick (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCIX,  
1954, pp 373-376, Encl to IR-754-55, Germany.  
CIA C 37509

AF 664067

The Decay of a Deuteron at the Bombing With Electrons,  
by V. A. Myamlin (abstract

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCIX, 1954,  
pp 377-380, Encl to IR-754-55, Germany.  
CIA C 37509

AF 664067

Equilibrium Polymerization of Cyclic Formals, by  
A. A. Strapikheyev, A. V. Volokhina.

<sup>Per</sup>  
RUSSIAN, Dok Akad Nauk SSSR, *(21)* No 3, 1954,  
pp 407-410.

Assoc Tech Sv  
\$6.40 Tr RJ-814

Sci - Chemistry  
Aug 57

*51,743*

NLL Ref: 5207 (1241)

Effect of Hydrogen on the Properties of Alloys,  
by N. A. Galaktionova,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCIX, No 3, 1954, pp 411-413.

25,281

Assoc Tech Sec - BJ-471  
Brutcher Tr 3448  
\$2.85

Scientific - Min/Metals, Chemistry

Jul 55 CTS

The Influence of the Electrokinetic Properties  
of the Surface of Minerals on Their Flotation,  
by V. M. Borisov, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
XCIX, No 3, 1954, pp 427-430.

Sci Mus Lib No 56/3257  
A.E.R.E. Harwell Lib Tr 754

Sci - Physics

44,023

KUZMENKO, M. V.  
R-1612. Beryllite - a new mineral. Doklady Akad.  
Nauk SSSR, 99, p.451-454, 1954. (Sp.)

(FDD 26354)

Differences in the Electrical Activity of the  
Brain of Dogs Having Various Types of Higher  
Nervous Activity, by V. D. Glezer, B. Kh.  
Gurevich, L. I. Leushina, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCIX, No 3, Moscow, Nov 1954, pp 485-488.

CIA/FDD/U-7752

31,344

USSR

Sci - Medicine, neurophysiology

Jan 56 CTS/DEX

2  
The Role of Chlorophyll and Varotene in the Process  
of Transformation of Plants of Visible Light Into  
Mitogenetic Radiation, by N. M. Feredel'skaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII, 1954,  
pp 471-473.

SLA Tr R-1318

Sci

Jun 58

65,839

✓  
Conduction of a Film in a Longitudinal Magnetic Field,  
by M. Ya. Azbel', 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIX,  
No 4, 1954, pp 519-522.

Morris D. Friedman

\$3.00

35, 2/2

Scientific - Physics

OTS 65-74-6

Jun 56 CTS/dax

Experiments With the Study of Bromine Diffusion  
in Solid Silver Bromide, by A. N. Murin, G. N.  
Kazakova, B. G. Lur'ye, 3 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCIX, No 4, 1954, pp 529-531.

Navy Tr 1211/NRL 525

Scientific - Chemistry

25,709

Chain Process for Charge Accumulation in  
Thunderclouds, by V. M. Muchnik, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCIX, 1954, pp 537, 538.

AEC Tr 2753

Sci - Physics

48, 647

Jun 57

*Dept of Inter. Bus. Affairs  
Customs Exemption Station  
Pittsburg, Pa, Tr 335*

*SLR TR 111*

ATIC      FTS-955-111

Reaction of Ferrocene With Diazo Compounds, by  
A. N. Nesmeyanov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCIX, 1954, pp 539-542.

Assoc Tech Sv RJ-251  
\$6.40

Scientific - Chemistry  
CIS 73/Oct 1955

27,699.

V  
Application of the Polarographic Method to the  
Analysis of Unsaturated Organic Compounds, by A. V.  
Ryabov, G. D. Panova.

RUSSIAN, thrice-1.0 per, Dok Ak Nauk SSSR, Vol XCIX,  
No 4, 1954, pp 547-549. 91

Assoc Tech Sv  
RJ-402

Sci - ~~Chemistry~~ *Physics*

36,951  
\$4.80

Aug 1956

Study of the Structural-Mechanical Properties  
of Cement Pastes  $\bar{\eta}$  by Means of the Elasto-  
Viscometer, by N. V. Mikhaylov, Ye. Ye. Kalmykova,  
7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX,  
No 4, 1954, pp 573-579.

SLA 60-16820

Sci  
Vol IV, No 7  
Apr 62

*193,887*

The Isotopic Composition of Water of Crystallization,  
by R. V. Teyz.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIX,  
No 4, 1954, pp 585-586.

Assoc Tech Sv RJ-524  
\$5.95 (\$1.55)

Sci - Chemistry  
Apr 1957 CTS/dex

46, 782

(FDD 25787)

The Methylation of Uracil in Tissue Homogenates,  
by S. S. Lebov, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, ~~XXXXXXXX~~  
~~XXXXXXXX~~ Vol XCIX, No 4, Moscow, 1954, pp 589-592.

CIA/FDD/U-7388

RT-373/ 29,159

USSR

Sci - Biology, & biochemistry      CTS 73 Oct 55

Effect of Nutritive Medium on Carbohydrate  
Composition of Yeasts and Their Enzymatic  
Activity, by A. I. Oparin, et al.  
RUSSIAN, per, Dokl Akad Nauk SSSR, Vol 99,  
No 4, 1954, pp 593-596.  
NIH 3-22-65

Sci- Biol & Med Sci  
May 65

278,362

Polygraphic Investigation of Sulfuric Acid Solution  
of Titanium and Niobium, By E. I. Krylov, D. S.  
Kolevatov, V. A. Samarina, 7 pp.

RUSSIAN, thrice mo per, Dok Ak Nauk SSSR, Vol <sup>XCVIII</sup>~~XCVIII~~,  
1954, pp 593-595.

AEC Tr 3040

SLA R-1983

Sci - Chem  
Oct 57

54,286

Expulsion of Water From Clays Under High Pressure;  
by P. A. Kryukov, N. A. Komarova.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol XCIX, No 4,  
1956, pp 617-619.

Dept of Interior  
Bu of Reclam  
Tech Lib  
Denver Colo  
SLA R 3923

Sci - Geophys

101, 307

Nov 59

Variations in the Water-Retaining Capacity of  
Assimilating Organs of Plants With Varying  
Transpiration, by B. Shcherbakov.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol XCIX,  
No 4, 1954, p 637-640.

1980, p 59-60.

SLA CSIRO 3145

Sci

Jul 58

68,612

(FDD 25788)

The Replacement of the Crystalline Lens of  
Tailless Amphibians by Lavel Skin, by V. H.  
Vereynkaya, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCIX, No 4, Moscow, 1954, pp 649-652.

CIA/FDD/U-7389

USSR '  
Sci - Biology, biochemistry  
CTS 73 Oct 55

29,160

(FDD 25789)

On the Counteractivity of the Signal Systems in  
Children, by Yu. M. Pratusenich, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCIX, No 4, Moscow, 1954, pp 653-656.

CIA/FDD/U-7390

USSR  
Sci - Biology, biochemistry  
CIS 73 Oct 55

29,158

Resistance of Plastic Metals to Brittle Disintegration by G. V. Uzhik, 5 pp. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, No 5, 1954, pp 685-687. 9660970

ATTC MCL-534/III

Sci - Min/Met

Apr 61

Lo 40347 - item 18

147,888

Borovik-Romanov, A. S., Orlova, M. P., and  
Strelkov, P. G.  
THE MAGNETIC AND THERMAL PROPERTIES OF  
THREE MODIFICATIONS OF SOLID OXYGEN (Magne-  
ticheskiye i Teplovye Svoystva Trekh Modifikatsii Tverdogo  
Kisloroda). J. Macitko, tr. 1960 [10p] (foreign text  
included) 17 refs [NBS] T-12.  
Order from OTS, SLA, or ETC \$1.10      TT-64-13556

Trans. of Akademiya Nauk SSSR. Doklady, 1954, v. 99,  
no. 5, p. 699-702.  
Another trans. is available from LC or SLA mi\$1.80,  
ph\$1.30 as UCRL-Trans-554 [1960] 7p.

(Physics, TT, v. 11, no. 11)

TT-64-13556

- I. Borovik-Romanov, A. S.
- II. Orlova, M. P.
- III. Strelkov, P. G.
- IV. NBS-T-12
- V. National Bureau of Standards,  
Boulder, Colo.

Office of Technical Services

Velocity of Electrons Emitted During Stripping  
of Film of High-Polymer From Solid Backing, and  
Distribution of Emitting Centers, by V. V.  
Karashev, N. A. Krotova, 10 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, No 5,  
1954, pp 715-718.

SIA 60-10059

Sci  
OTS, Vol III, No 7  
Nov 60

.133,040

Reflection of Sound by a Thin Plate in Water, by  
L. M. Lyamshev, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCIX, 1954, p 719. - ~~727~~

Morris D. Friedman L-104  
\$3.00

Scientific - Physics

V-7003

CTS 67/Apr 55

22,941

On the Question of the Supraconductivity of Thin  
Films of Tantalum and Niobium, by I. Chuchareva,  
A. Salynikov (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCIX, 1954,  
pp 735-736, Encl to IR-754-55, Germany.

CIA C 37509

(44) SLA R-1006 + 62-20283  
AF 664067

RUSSIAN to FRENCH  
OTS TT-62-28268

The Temperature Field in a Steel Vessel at  
High Pressure, by L. F. Vereschagin, Ya. A.  
Kalashnikov, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX,  
1954, pp 745-748.

AEC Tr 2317

USSR  
Sci - Physics

*29,432*

Elastic Weakening of a System on Application  
of Pulsating Stresses, by N. V. Mikhailov,  
3 pp.

<sup>thrice.</sup>  
RUSSIAN, ~~Amo per~~, Dok Ak Nauk SSSR, Vol XCIX,  
No 5, 1954, pp 749-751.

Sci Mus Lib 55/1797

Sci - Physics  
~~Nuclear Physics~~

29,571

Study of the Constitution Diagram  $\text{GeO}_2\text{-Li}_2\text{O}$ ,  
by P. P. Budnikov, S. G. Tresvyatskiy.

RUSSIAN, thrice-a-week per, Dok Ak Nauk SSSR,  
Vol XXIX, No 5, 1954, pp 761-763.

Coop Trans Scheme No 176  
L1.12a. (4s.03.)

Sci - Chemistry  
May 1956

33,775

Sci mus h. b.

57/3184

SKA R-2340

Rapid Methods of Microelemental Analysis.  
Simultaneous Determination of Elements by ~~Microanalysis~~  
~~Microanalysis~~ Decomposition of Organic Substances by  
Heating With Metallic Potassium, by M. O.  
Korshun, M. N. Chumachenko.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX,  
No 5, 1954, pp 769-771.

Assoc Tech Sv  
RJ-301

07561-  
17262

Sci - Chemistry  
Jan 1956/CTS No 77

30,540

P.O. Box 271, East Orange, N. J.

Synthesis of Hydroxytetrahydropyran and the  
Products of Its Transformations, by M. I. Farberov,  
E. P. Tepenitsuina, N. K. Shemyakina, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCIX, No 5, 1954, pp 793-796.

Sci Mus Lib  
Tr 55/0990

Scientific - Chemistry  
CBS 70/Jul 55

25, 199

Mechanism of Passivation of Metals in Oxidizing Media, by V. P. Batrakov, 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCIX, No 5, 1954, pp 797-800.

Navy Tr 1331/NRL 554

Sci - Minerals/Metals      33,969

May 1956

New Method of Determination of Coefficient of  
Sliding Friction and its Application to the Study  
of Adsorptional Lubrication, by G. I. Epifanov,  
F. P. Soloahko, P. A. Rejinder.

<sup>b</sup>  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, No 5,  
1954, pp 801-804.

Brutcher Tr No 3603  
\$3.80

*29, 122*

USSR  
Sci - Fuels  
    Physics  
    Chemistry

Determination of the Zero Charge Potential on  
the Lead Dioxide Electrode, by B. N. Kabanov,  
I. G. Kiseleva, D. I. Leikis, 4 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIX,  
No 5, 1954, pp 605-608.

ATS - RT 313  
Navy Tr 1213/NRL 527  
SLA RT-2872 (8pp)

25, 712

Scientific - Physics  
RUSSIAN TO FRENCH  
OTS TT-62-28582

8  
The Theory of Coagulation of Colloids in a  
Turbulent Liquid Current, by G. Levich, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
XCIK, No 5, 1954, pp 809-812.

SLA R-2056

Sci

AEC/BNL/TR-277-69

Aug 58

71,203

Exchange Reactions in Vulcanized Rubber, by  
Z. Tarasova et al. .

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol XCIX, No 5, 1954, pp 819-822.

91

Coop Trans Scheme Tr 204  
L1.12a.

36, 395

Sci - Chemistry,

Jul 1956

(FDD 25785)

Conditioned-Reflex Shifts in Certain Aspects of the  
Blood-Coagulating System, by G. Sh. Bunyatyan, K. G.  
Karaguzyan, 8 pp.

RUSSIAN, thrice-a-week per, Dok Ak Nauk SSSR, Vol XCIX,  
No 5, Moscow, 1954, pp 831-834.

CIA/FDD U-81924

35,007

USSR  
Sci - Medicine, Neuropsychology, Hematology

(FDD 25785)

The Permeability of Human Skin to Carbonate and Bicarbonate Ions, by I. A. Oyvin, Ye. P. Smolichav, 8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCIX, Moscow, 1954, pp 869, pp 889-892.

CIA/FDD U-8195

35,001

USSR

Sci - Medicine, Neurophysiology, ~~hematology~~

hematology

May 56

The Interaction of Shock Waves With Tangential  
and Weak Discontinuities, by S. P. Dyakov, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol XCIX, 1954,  
pp 921-3.

AEC Tr 2566  
~~AP-68-67 (AEC Document)~~  
~~CIA-R-13589~~

Sci - Physics  
Nov 56 CTS

40,437

(FOUO 24193)

Observation of the Traces of High-Energy Ionizing  
Particles From an Accelerator by Means of a  
Propane Bubble Chamber, by G. A. Elinov, Yu. S.  
Kretnikov, I. I. Pershin, 3 pp.

Full translation. *SLA 61-174E2 23, 287*

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCIX,  
No 6, Moscow, 21 Dec 1954, pp 929, 930.

*CIA/FOUO-4918 AIC-2130.  
HERE Lib - 540*

USSR  
Sci - Nuclear Physics, bubble chambers CTS 66/Mar 55  
*See Yuma Lib - 65/480*

Dukel'skii, V. M. and Zandberg, E. Ya.  
DISSOCIATION OF MOLECULAR NEGATIVE IONS  
ON COLLISION WITH GAS ATOMS, tr. by Donald C.  
Rich and George F. Hill. 7 May 62 [8]p. 4 refs.  
[C](Redstone) Trans-nr-20-62  
Order from OTS or SLA \$1.10      62-24800

Trans. of Akademiya Nauk SSSR. (Doklady) 1954,  
v. 99, no. 6, p. 947-950.

DESCRIPTORS: Molecules, Ions, \*Tellurium,  
\*Antimony, \*Bismuth, \*Sodium compounds, Iodides,  
Dissociation, Energy, Gases, Atoms, Helium, Argon.

(Physics--Molecular, TT, v. 9, no. 7)

62-24800

- I. Dukel'skii, V. M.
- II. Zandberg, E. Ya.
- III. AMC (Redstone)  
Trans-20-62
- IV. Army Missile Command,  
Redstone Arsenal, Ala.

Office of Technical Services

(FID 24287)

Elastic Scattering of Protons by Free Protons at an Energy of 460 MeV, by M. G. Maslacheryakov, N. P. Bogachev, B. S. Naganov, Ye. V. Piskarev, 8 pp.

Full translation.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCIX, No 6, Moscow, 21 Dec 1954, pp 915-958.

OT3 62-24766      CIA/FID/U-1933      23,291  
USSR      AERE Lib/TRANS 344  
Sci - Nuclear, Physics      CTS 66/Mar 55  
Sci News Pub - 55/1483

(FID 24192)

Anomalous Variation in the Cross Section of Elastic Scattering of Protons by Protons in the Region 460-660 MeV, by M. G. Meshcheryakov, B. S. Neganov, I. M. Soroko, I. K. Vucrov, 4 pp.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIX, No 6, Moscow, 21 Dec 1974, pp 959-961.

OTS 62-22769

Sci. Mus. Lib. - 551484

A-102130

CIA/FID/U-6917 23, 286

USSR

AERE Lib. Tr. 545

Sci - Nuclear Physics, cross-section of elastic scattering of protons      OTS 66/Mar 55

On Some Interrelations Between the Functional  
Mobility of the Sight Analyzer and the Binocular  
Seeing, by G. I. Milysteyn (abstract)

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCIX, 1954,  
pp 965-968, Encl to IR-754-55, Germany.  
CIA C 37509

AF 664067

3: Concentration of hydroxyl in the upper atmosphere,  
by V. I. Krasovskiy, 5 pp.

Full tr

RUSSIAN, thrice-to par, Dok Ak Nauk SSSR, Vol XXIX  
XCIX, No 6, 1954, pp 979-981.

ATTC -F-ES-8860/III

Scientific - Astronomy  
CIS/Dex  
Aug 56

37,957

(FDD 24995)

On the Nature of the Process Limiting the Speed of  
Graphitization in Cast Iron, by M. A. Krishtal, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIX,  
No 6, Moscow, 21 Dec 1954, pp 963-966.

CIA/FDD/U-7569

USSR  
Sci - Minerals/Metals  
CTS Nov 55

24,859